PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Mutsumi KIMURA et al.

Application No.: 09/077,029

Filed: May 18, 1998

Washington, D.C. 20231

MATRIX TYPE DISPLAY DEVICE AND

Director of the U.S. Patent and Trademark Office

MANUFACTURING METHOD THEREOF

Group Art Unit: 2164

Examiner: Walter Malinowski

Docket No.: JAO 40499

SIXTH INFORMATION DISCEQSURE STATEMENT

RECEIVED

DEC 2 3 2002

Technology Center 2100

Sir:

For:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- 2. The references listed on pages 1-4 of the attached Form PTO-1449 were cited by or submitted to the Office in related application No. 09/901,095, filed July 10, 2001. Thus, copies of these references are not attached. 37 CFR §1.98(d).
- 3. Of the references attached and listed on page 5 of the attached Form PTO-1449, English-language Abstracts of the non-English language references are attached hereto.

Respectfully submitted,

James A. Oliff Registration No. 27,075

Eric D. Morehouse Registration No. 38,565 RECEIVED

DEC: 2. 6 2002

GROUP 3600

JAO:EDM/gam

Date: December 20, 2002

OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, Virginia 22320 Telephone: (703) 836-6400 DEPOSIT ACCOUNT USE
AUTHORIZATION
Please grant any extension
necessary for entry;
Charge any fee due to our
Deposit Account No. 15-0461

Sheet	1	of	5	
				_

Form PTO-1449 (REV. 8-83)	US Dept. of Commer PATENT & TRADEMARK OFFIC		JAO 404	OCKET NO. 99⁄		APPLICATION NO. 09/077,029			
OIPE	RMATION DISCLOSURE STATEMENT								
(Use several sheets if necessary)			APPLICANT(S) Mutsumi KIMURA et al.						
			FILING DATE May 18, 1998			GROUP 2164			
PENERS	U.S	. PAT	ENT DOCL	JMENTS		`			
EXAMINER INITIAL	DOCUMENT NUMBER		DATE	NAM	E		CLASS	SUB CLASS	
	6,013,982	01/	11/00	THOMPSON et al.			313	506	
	5,895,692	04/	20/99	SHIRASAKI et al.			427	557	
	5,576,070	11/	19/96	YANIV					
	Re. 36,711	05/2	23/00	YANIV					
	6,087,196	07/	11/00	STURM et al.					
	FOREI	GN P	ATENT DO	CUMENTS					
	DOCUMENT NUMBER		DATE	COUNT	RY		CLASS	SUB CLASS	
	JP-A-5-258860	10/0	08/93	Japan					
	JP-A-7-169567	07/0	04/95	Japan	REC	EIV	ED		
	JP-A-7-235378	09/0	05/95	Japan	DEC				
	JP-A-7-294916	11/	10/95	Japan			i i	3	
	JP-B2-5-78655	10/2	29/93	Japan	ROU	<u> </u>	3000	<i>,</i>	
	JP-A-10-12377	01/	16/98	Japan					
	OTHER DOCUMENTS (In	cludir	ng Author,	Title, Date, Pertinent Pag	es, etc.)				
KIDO, J. et al., "White Light-Emitting Organic Electroluminescent Devices Using the Poly (N-vinylcarbazole) Emitter									
	Layer Doped with Three Flourescent Dyes", Appl. Phys. Lett., 64 (7), February 14, 1994, pp. 815-817.								
	ADACHI, Chihaya et al., "Electroluminescent Device of Organic Thin Films", IEICE Technical Report, Vol. 89, No. 106,								
	June 23, 1989, pp. 49-50.								
EXAMINER					DATE CO	ONSIDI	ERED		
	nitial if citation considered, whether or not conformance and not considered. Include copy					line th	rough citati	ion if not in	

Sheet 2 of 5

Form PTO-1449 APPLICATION NO. US Dept. of Commerce ATTY DOCKET NO. (REV. 8-83) PATENT & TRADEMARK OFFICE JAO 40499 09/077,029 INFORMATION DISCLOSURE STATEMENT APPLICANT(S) Mutsumi KIMURA et al. DEC (Use several sheets if necessary) 2 0 2002 **GROUP** FILING DATE May 18, 1998 2164 U.S. PATENT DOCUMENTS SUB DATE NAME **CLASS CLASS** INITIAL DOCUMENT NUMBER 5,665,857 09/09/97 SHI 528 373 428 411.1 5,540,999 07/30/96 YAMAMOTO et al. OHNISHI et al. 428 690 5,821,002 10/13/98 FURUKI et al. 347 139 6,008,828 12/28/99 690 5,281,489 01/25/94 MORI et al. 428 02/11/86 FERRI et al. 4,569,305 4,687,352 08/18/87 IGI et al. 12/20/88 **BARNEY** 4,792,817 5,534,716 07/09/96 **TAKEMURA** 07/08/97 FUKUCHI et al. 5,645,901 5,728,626 03/17/98 ALLMAN et al. 04/28/98 **SCHNEIDER** 5,744,171 5,757,453 05/26/98 SHIN et al. 06/02/98 BEGIN et al. 5,759,268 5,770,260 06/23/98 FUKUYAMA et al. 5,779,799 07/14/98 **DAVIS HASHIMOTO** 5,784,132 07/21/98 11/23/99 YUDASAKA et al. 438 149 5,989,945 257 72 5,656,826 08/12/97 MISAWA et al. 09/901,095 07/10/01 KIMURA et al. 07/10/01 KIGUCHI et al. 09/901,096 09/901,126 07/10/01 YUDASAKA et al. DATE CONSIDERED **EXAMINER** Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance Examiner: and not considered. Include copy of this form with next communication to applicant.

Sheet 3 of 5

APPLICATION NO. Form PTO-1449 US Dept. of Commerce ATTY DOCKET NO. (REV. 8-83) PATENT & TRADEMARK OFFICE JAO 40499 09/077,029 INFORMATION DISCLOSURE STATEMENT APPLICANT(S) Mutsumi KIMURA et al. (Use several sheets if necessary) **GROUP** FILING DATE 0 2002 May 18, 1998 2164 FOREIGN PATENT DOCUMENTS SUB COUNTRY **CLASS** CLASS DOCUMENT NUMBER DATE JP-A-3-102324 04/26/91 Japan JP-A-3-126921 05/30/91 Japan JP-A-4-253033 09/08/92 Japan 04/27/93 JP-A-5-105486 Japan JP-A-5-116941 05/14/93 Japan JP-A-6-204168 07/22/94 Japan JP-A-62-223727 10/01/87 Japan 10/07/94 JP-A-6-281958 Japan JP-A-61-78165 04/21/86 Japan DEC 2 6 2002 05/12/95 JP-A-7-122475 Japan JP-A-8-1065 01/09/96 Japan JP-A-8-32085 02/02/96 Japan JP-A-10-12377 (w/English translation) 01/16/98 Japan 02/05/97 EP 0 756 932 A2 Europe WO 90/13148 11/01/90 WIPO WO 95/01871 01/19/95 WIPO WO 98/32783 07/30/98 WIPO **EXAMINER** DATE CONSIDERED Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance Examiner: and not considered. Include copy of this form with next communication to applicant.

Date: December 20, 2002

DEC

				Sneet 4 01 3				
	Form PTO-1449 (REV. 8-83)	US Dept. of Commerce PATENT & TRADEMARK OFFICE	ATTY DOCKET NO. JAO 40499	APPLICATION NO. 09/077,029				
	INFORMATION DISCLOSURE STATEMENT		APPLICANT(S) Mutsumi KIMURA et al.					
DEC	2 0 2002	(Use several sheets if necessary)	FILING DATE May 18, 1998	GROUP 2164				
, in	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	CUE MENTE COL	UCHIDA, Masao et al., "Color-Variable Ligh	A, Masao et al., "Color-Variable Light-Emitting Diode Utilizing Conducting Polymer Containing Fluorescent Dye",					
		Jpn. J. Appl. Phys., Part 2 (1993), 32 (7A), L921-L924 (Chemical Abstract, Vol. 119, No. 16).						
	EXAMINER			DATE CONSIDERED				
	Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

RECEIVED
DEC 2 6 2002
GROUP 3600

Sheet 5 of 5

Form PTO-1449 US Dept. of Commerce ATTY DOCKET NO. APPLICATION NO. JAO 40499 09/077,029 PATENT & TRADEMARK OFFICE (REV. 8-83) INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) APPLICANT(S) Mutsumi KIMURA et al. **GROUP FILING DATE** May 18, 1998 2164 U.S. PATENT DOCUMENTS SUB **EXAMINER** NAME **CLASS CLASS** INITIAL DOCUMENT NUMBER DATE **ROITMAN** 5,972,419 10/26/99 ROITMAN et al. 10/24/00 6,137,221 **HOSOKAWA** 2002/0011783 A1 01/31/02 ITO et al. 07/29/97 5,652,067 KIM et al. 12/05/95 5,472,889 08/08/95 SAGO et al. 5,439,519 FOREIGN PATENT DOCUMENTS SUB CLASS DATE **COUNTRY CLASS** DOCUMENT NUMBER 0 550 063 A2 07/07/93 Europe 0 656 644 A1 06/07/95 Europe ECEIVED 0 218 117 A2 04/15/87 Europe DE 42 12 501 C1 (w/English abstract) 08/05/93 Germany 0 589 049 A1 03/30/94 Europe 0 404 545 A2 12/27/90 Europe 12/22/87 JP-A-62-295028 (w/English abstract) Japan DATE CONSIDERED **EXAMINER** Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in Examiner: conformance and not considered. Include copy of this form with next communication to applicant.